Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Thursday 20 Apr 2023 until 23:59 on Friday 21 Apr 2023

Forecast Issued on Thursday 20 Apr 2023 at 04:05

Confidence: High for largely fine and settled weather with mostly clear skies much of Thursday. Confidence lowering markedly from Friday as cloud and rain moves in from the east. Lower than usual confidence persisting over the weekend.

Headline for Thursday 20 Apr 2023: Dry and largely sunny today. Cloudier with a risk of rain this evening. Strong winds on tops.

Mountain weather hazards on Thursday 20 Apr 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** High Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sunny intervals	Sunny	Sunny	Sunny	Sunny intervals	Cloudy
Precipitation probability					
00%	00%	00%	00%	10%	20%

Forecast for Thursday 20 Apr 2023

Weather: Some areas of low cloud, most likely on higher and eastern slopes, will quickly lift and break through the morning to give a fine and sunny day, albeit with continuing strong winds. Winds easing through the day but remaining strong throughout. Becoming cloudier in the evening with a slight chance of a passing shower.

Chance of cloud-free hill tops above 600m: 70%, soon becoming greater than 95%. Lowering to 40% in the evening.

Low cloud and visibility: Occasional low cloud possible on higher and eastern slopes above 300m at first, lifting and breaking quickly during the morning, clearer to the west throughout. Very good visibility generally. Becoming cloudier later in the afternoon/early evening with perhaps cloud starting to lower to 500m at times from mid-evening.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Thursday 20 Apr 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	21/26 NE	26/33 NE	24/32 NE	24/33 NE	25/34 NE	26/35 NE	25/34 NE
300	16/23 E	18/26 E	23/33 NE	20/30 NE	17/26 NE	20/31 NE	19/30 NE
Valley	14/30 E	13/26 E	18/33 NE	16/30 NE	12/26 NE	16/34 NE	15/34 NE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-5	5/-2	7/2	7/3	6/0	3/-4	3/-3
300	4/-1	8/3	10/6	10/7	8/5	6/0	5/1
Valley	4/0	9/6	12/9	12/9	10/7	6/2	6/2
Freezing Level*	700m	800m	1000m	900m	1100m	1300m	1100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Low risk of severe wind chill along the tops at first in breezy conditions. Strong winds perhaps masking the effects of moderate to high UV levels in sunny conditions throughout the day. Gusts of 40-45mph possible on highest peaks and ridges today.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Thu 20 Apr 2023	0mm	0.2mm	0.2mm

Forecast for Friday 21 Apr 2023

Weather: Significant uncertainty exists for Friday, but likely unsettled with extensive cloud cover and outbreaks of rain and drizzle across the area for much of the day. Strong east or north-easterly winds likely with some uncertainty regarding peak speeds, wet conditions may lead leading to a significant wind chill.

Maximum wind: North-easterly 25-30mph, with gusts 35-40mph

Chance of cloud-free hill tops above 600m: 20%

Low cloud and visibility: Cloudy and dull throughout the day, with rather persistent cloud bases 200-500m (lowest on central and eastern slopes) with poor visibility in rain.

Temperature: **Valleys:** Plus 6 Celsius rising to plus 10 Celsius.
At 600m: Plus 2 Celsius rising to plus 5 Celsius.
Freezing level: Above summits.

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